Urban Water Inventory Tables and Instructions

The Urban Water Inventory should be entered on the MS Excel tables located at www.usbr.gov/mp/watershare/documents/Water_mgmt/index.html. Enter data in the white cells on the spreadsheets. Shaded cells are locked and cannot be changed.

Start by entering the current year (either the last complete calendar year or the last complete water year) in cell D1.

Table 1. Surface Water Supply (requested in Criteria Section II.A. and II.C.)

The numbers in this table should be the best information available on how much surface water actually entered the district distribution system. Make sure all the incoming surface water flows are represented. If necessary, define each water source with a descriptive title (e.g. San Joaquin River, DMC). Water transferred in, the return of water banked outside the district and small miscellaneous flows may be lumped together in the "Other" column and defined. This table should not include urban recycled water.

Year of Data	2010	Enter data year here

Table 1

Surface Water Supply

2010 Month	Federal Urban Water (acre-feet)	Federal Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (acre-feet)	Transfers into District (acre-feet)	Other Water (define) (acre-feet)	Total (acre-feet)
Method							
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

Measured numbers for the water quantities detailed in these tables are expected. Select a method below that best describes the measurement method for each supply. Fill in the row marked "Method" with the appropriate measurement method type. If two methods are used for one supply, select the predominant one. If there is no flow rate or volumetric measurement, fill in the appropriate estimation method.

Method Definitions:
M1 Measured summation from calibrated measuring devices, accurate to within +/- 6 percent

M2 Measured summation from calibrated measuring devices
M3 Measured summation from measuring devices
C1 Calculated (more than summation) using information from calibrated devices (such as the difference between measurements upstream and downstream of diversion)
C2 Calculated using information from measuring devices
C3 Calculated using estimates from pump run-times and pump efficiency
E1 Estimated using measured information from similar conditions
E2 Estimated using historical information
E3 Estimated using observation
O1 Other (attach a note with descriptions of other methods used)

Table 2. Ground Water Supply (requested in Section II.B.)

The quantities in this table for the district pumping should be measured or calculated. For private pumping, an estimate of the volume pumped is normally used. If a yearly total is the best estimate available, it should be distributed over the months based on experience. Choose the appropriate measurement method from the definitions provided above, and fill in the row marked "Method".

Table 2

Ground Water Supply

2010 Month	District Groundwater (acre-feet)	Private Urban *(acre-feet)
Method		
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November	0	0
December	0	0
TOTAL	0	0

*normally estimated

Table 3. **Total Water Supply** (requested in Section II.A., II.B., and II.C.)

Except for "Recycled M&I Wastewater" the information in this Table was entered in Tables 1 and 2. If you are using the supplied spreadsheet, all the numbers previously entered are automatically copied to this table, as indicated by light gray boxes. The "Recycled M&I Wastewater" column should be filled out only for M&I recycled wastewater that is delivered into a district distribution system. Fill in the measurement method type using the definitions provided on page 6-1.

Table 3

Total Water Supply

2010 Month	Surface Water Total (acre-feet)	District Groundwater (acre-feet)	Recycled M&I (acre-feet)	Total District Water (acre-feet)
Method				
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
TOTAL	0	0	0	0

*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

Table 4. **Distribution System Losses** (requested in Section II.G., part 2)

The first column should have the name or number of part of the system, such as *16" main*. In the "Length" column, enter the length of all lines listed in the "Area or Line" column. In the "Leaks" column, enter the estimated amount of water lost through leaks. In the "Breaks" column, enter the estimated amount of water lost through breaks. In the "Flushing/Fire" column, enter the estimated amount of water used for line flushing and fire fighting.

Table 4

Urban Distribution System

2010 Area or Line	Length (feet)	Leaks (acre-feet)	Breaks (acre-feet)	Flushing/Fire (acre-feet)	Total (acre-feet)
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

Table 6. District Water Budget (requested in Section II.G.)
Much of the data for this table is copied from the previous tables. Definitions are only provided for water uses that have not been entered previously.

Environmental Consumptive Use - The annual water delivered to an environmental or recreational resource.

Groundwater Recharge - The water used for the purposeful recharge of groundwater, including recharge ponds and injection wells.

Water Exchanges or Transfers - The amount of water the district sold or traded outside the district service area, not listed in Table 1. This will be a negative number.

Non-Urban (Agricultural) Deliveries - The water delivered to commercial agricultural customers. If 2,000 acre-feet a year or more is delivered to agricultural, the district is considered an agricultural water supplier and will also complete an agricultural water management plan and implement agricultural BMPs.

Actual M&I Water Sales - From district billing records, quantify the water that was sold as M&I. Compare this quantity with the "Water Supply Available for Sale" calculated on the previous line. If there is a significant difference, look for data gaps.

Inside Use - The water billed as M&I during the month of February multiplied by 12. Outside water use during February is assumed to be minimal. February usage provides an estimate of water use inside homes and businesses, and it is assumed to be very consistent regardless of season.

The final line on this table is an estimate of the amount of outdoor water use.

Table 6

2010 District Water Inventory

Water Supply	Table 3		0
Environmental Consumptive Use		minus	0
Groundwater Recharge	(Perc ponds & recharge wells)	minus	0
Water Sales out of District	(out of the district)	minus	0
Flushing / Fire	Table 4b	minus	0
Distribution System Leaks & Breaks	Table 4b	minus	0
Water Available for sale to customers			0
Actual Water Sales	From District Records		0
Inside Use	Feb urban use x 12		0
Landscape / Outside Use	(calculated)		0

Table 8. Annual Water Quantities Delivered Under Each Right or Contract (requested in Section II.A. and II.C.)

Quantify the amount of each type of water the contractor actually received in each of the last 10 years. If the contractor has sources of surface water that are not listed in the table, add the necessary data in the "Other" column.

Table 8

Annual Water Quantities Delivered Under Each Right or Contract

Year	Federal Urban Water (acre-feet)	Federal Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (acre-feet)	Transfers into District (acre-feet)	Other Water (define) (acre-feet)	Total (acre-feet)
2001	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
Average	0	0	0	0	0	0	0